FIRE DANGER POCKET CARD

Lolo National Forest
Department of Natural Resources and Conservation - NWLO

West – Fire Danger Rating Area

Created on 5/7/18 by Lolo NF (FireFamilyPlus 5.0 data)

West Lolo NF – DNRC Northwestern Land Office
Weather Zone: 106
SIG: WESTFDRA - St. Regis, Ninemile, Plains (equal weighting)

*All stations on this card comply with NWCG weather standards

FIRE DANGER INTERPRETATION				
Adjective Rating	**Index Range**	**Preparedness Level**	**Response Level**	**Historic Large Fire**
Extreme >97%	ERC 55+	5	3 - HIGH (BI 46+)	36%
Very High >90% - <97%	ERC 48-54.9	4		39%
High >60% - <90%	ERC 31-47.9	3	2 - MOD (BI 26-45.9)	17%
Moderate >40% - <60%	ERC 24-30.9	2	1 - LOW (BI 0-25.9)	6%
Low 0% - <40%	ERC 0-23.9	1		2%

Fire Danger – Lolo DNRC West (2003-2017)	
Maximum	Highest Energy Release Component by day
Average	Mean Energy Release Component by day
90th Percentile	Only 10% of days had an Energy Release Component above this level
Large Fire	A fire with a final size >100 acres

REMEMBER – What Fire Danger tells you:

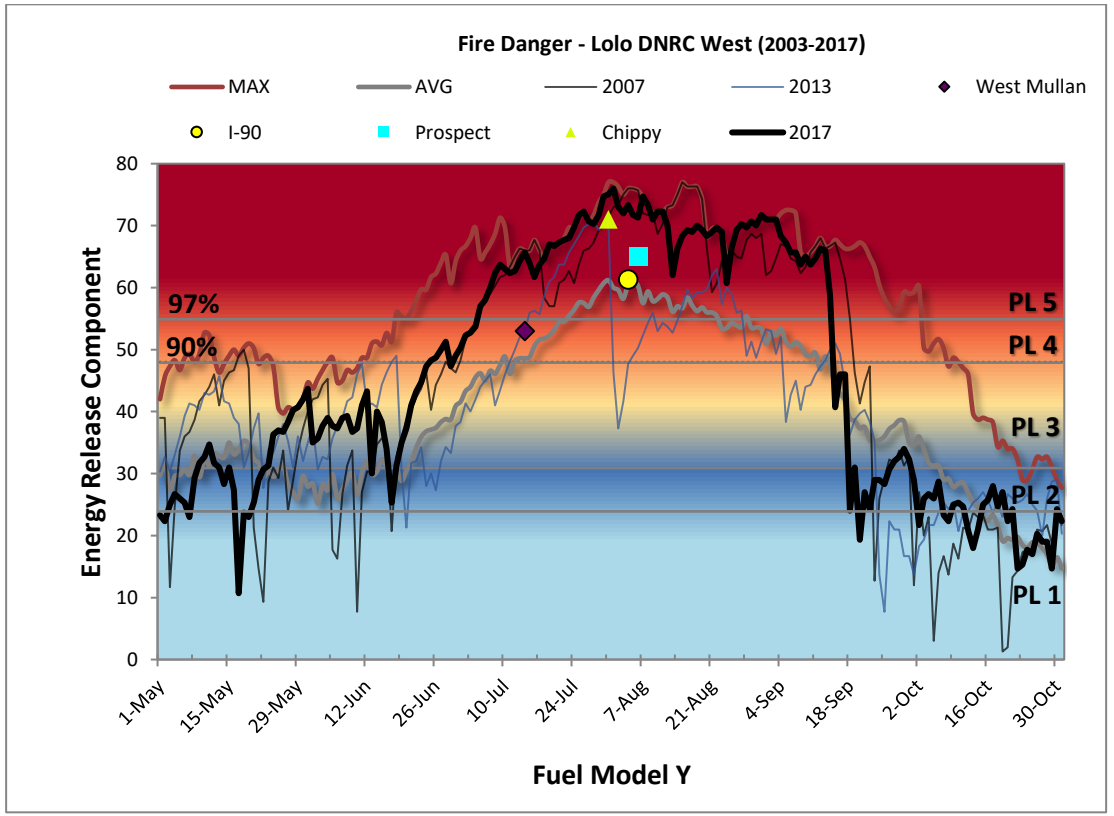
- Energy Release Component gives seasonal trends calculated from 1400 temperature and humidity, daily temperature & relative humidity ranges, and daily precipitation duration
- Wind is NOT part of the ERC calculation
- Pay attention to local conditions and variations across the landscape; Fuel, Weather, Topography
- Listen to weather forecasts, especially WIND
- Drainages may be susceptible to local winds and potential microbursts
- Fire Danger is calculated for the lowest and driest part of the zone (worst case)

LOCAL THRESHOLDS – historically large fires have occurred under the following conditions:

- Relative Humidity <25%
- Temperature >80 degrees
- 20-foot Wind Speed >10 mph
- 1000-hour fuel moisture <12%

WATCH OUT – when dry fuels are combined with any of the following:

- Alignment of Wind and Slope
- Haines Index of 5 or 6
- Dry Cold Front Passage - Strong winds combined with Low Relative Humidity



West Mullan, human caused early season fire w/ ERC tracking the 2007 season. Burned aggressively upslope in flashy fuels & established in upper slope timber. Spotting significant factor to fire spread. Conditions displayed below contributed to fire growth during initial attack.

West Mullan **Wind: 15 mph** **Temp: 90 degrees** **RH: 15%** **6282 total acres**